

## Message

**From:** Deltoral, Miguel [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=39ABB092D5244878BEAFB06F53655878-MOELTORA]  
**Sent:** 2/22/2016 3:04:27 PM  
**To:** Schock, Michael [Schock.Michael@epa.gov]; Hazan@nsf.org  
**CC:** Lytle, Darren [Lytle.Darren@epa.gov]; Rodgers, Mark [Rodgers.Mark@epa.gov]  
**Subject:** RE: shower filters and related

Q: Data is showing good residuals throughout the city, so if the water is chlorinated up to the point of the filter, this should take care of the bacteria. Why would there be concerns about bacteria accumulating on the carbon if there is a decent chlorine residual right up to the filter?

Miguel A. Del Toral  
 Regulations Manager  
 Ground Water and Drinking Water Branch  
 77 West Jackson Blvd (WG-15J)  
 Chicago, IL 60604  
 Phone: (312) 886-5253

---

**From:** Schock, Michael  
**Sent:** Monday, February 22, 2016 8:32 AM  
**To:** Hazan@nsf.org  
**Cc:** Lytle, Darren <Lytle.Darren@epa.gov>; Deltoral, Miguel <deltoral.miguel@epa.gov>; Rodgers, Mark <Rodgers.Mark@epa.gov>  
**Subject:** shower filters and related

Hi, Stan;

A group of the Flint emergency responders wants to do some kind of public messaging on shower filters or tub filters (if such an animal exists). Some of the key concerns are: (1) do any remove lead, reproducibly, and are any certified for that? (2) are there any studies that show microbial regrowth vulnerabilities, or possible accumulation of pathogens, such as legionella? (3) and related to (2), is there any distinction in possible issues with composition or design of the filters?

France Lemieux suggested that you might have information that you might be able to send, or point us to, that we can pass on. I know a lot more about the NSF 61 kinds of certification and devices, than this application, and I don't think anyone else involved is really conversant with the standards or state of the literature on them, either. Any help and guidance you can offer would be appreciated!

—Mike

*Michael R. Schock*  
 U.S. Environmental Protection Agency  
 ORD, NRMRL, WSWRD, TTEB  
 26 West Martin Luther King Drive  
 Cincinnati, OH 45220

Phone: 513-569-7412  
[schock.michael@epa.gov](mailto:schock.michael@epa.gov)

“Let’s eat grandma!” “Let’s eat, grandma!” Respect grammar; commas save lives!

